



## SAS027 Analysis of Smaller Scale Contingencies



*What is unique about the analysis of  
Small Scale Contingencies?*

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## *Characteristics of the analysis system*

- ✚ Scenarios
- ✚ Measures of Merit
- ✚ Data
- ✚ Tools and Techniques

## *Characteristics of the analysis system*

- ✚ **Stakeholders**
- ✚ Scenarios
- ✚ Measures of Merit
- ✚ Data
- ✚ Tools and Techniques

## *Characteristics of the analysis system*

- ✚ **Foundations of SSC Analysis**
- ✚ Stakeholders
- ✚ Scenarios
- ✚ Measures of Merit
- ✚ Data
- ✚ Tools and Techniques
- ✚ **Future of SSC Analysis**



## *Foundations*

- ✚ 10 years research.
- ✚ Maybe a few hundred scientists.
- ✚ Limited confidence in SSC analysis.
- ✚ Not unexpected, rapidly changing global environment shapes our priorities.

# *Stakeholders*

- ✚ Involving all stakeholders is best practice.
- ✚ Large and diverse stakeholder group, extending beyond military decision makers.
- ✚ Hard to achieve cross-government 'buy-in'
- ✚ We cannot yet answer the bigger questions, but we can still make a significant contribution

# *Scenarios*

- ✚ Scenarios appropriate for defence issues, to be used with appropriate caveats.
- ✚ Wealth of historical examples to choose from.
- ✚ Multiple actors.
- ✚ Actual threat level.
- ✚ Dispersed deployment.
- ✚ Building scenarios should not be hard.

## *Measures of Merit (MOM)*

- ✚ Measuring success is not straight forward.
- ✚ Aims, end-states and the links between them and MOM are also uncertain.
- ✚ Require MOM based on human (soft) factors.
- ✚ Often look for a measure of null effect.

# *Data*

- ✚ Limited data collection to date.
- ✚ Collecting SSC data should be easier.
- ✚ But, still unsure as to which data are key.
- ✚ Surrogate data required (soft factors).
- ✚ Ethnographic and cultural factors apply.
- ✚ There is a wealth of data out there.

## *Tools and Techniques*

- ❖ The biggest challenge is understanding how to simplify the system.
- ❖ Do we also need to increase the scope of MTW tools and techniques?
- ❖ Can we eventually join a simplified SSC tool-set to an expanded MTW tool-set?
- ❖ Limited bespoke tools & techniques available.

## *The Future of SSC Analysis.*

- ✚ Identify new stakeholders and their priorities.
- ✚ Simplify the SSC system boundaries.
- ✚ Identify common areas between SSC & MTW
- ✚ Increase our understanding of the links between aims, end-states and MOM.
- ✚ Increase our understanding of human factors.
- ✚ Identify and process key data items.
- ✚ Continue to develop SSC tool-set!

## *Final thoughts*

✚ Analysing SSC is NOT:

- ▣ Impossible
- ▣ Insurmountable
- ▣ Too hard

✚ But it is:

- ▣ Possible, as long as we are prepared to try